

# Parasilico Aquarium

1/2

## DESCRIPTION

**PARASILICO AQUARIUM** is a non-toxic, solvent-free, one component, silicone sealant (RTV-1), based on an acetic curing system. **PARASILICO AQUARIUM** has a high resistance to ageing, low and high temperatures (- 60°C to +180°C).

## APPLICATIONS

For applications in the construction industry and in the industrial field, glazing applications, profile glazing and **aquarium construction**. **PARASILICO AQUARIUM** shows an excellent adhesion to many substrates, especially to non-porous siliceous materials, eg. glass, ceramics, enamel, glazed tiles and clinkers, without any primer pretreatment. Temperature changes, tension, pressure, shear, water etc. make high demands on the adhesion, in such cases it is recommended to apply a primer.

## JOINT DIMENSIONS

Joint width	Joint depth	Allowed difference
3-4 mm	4-5 mm	± 1 mm
6 mm	6 mm	± 1 mm
8 mm	6 mm	± 1 mm
10 mm	6-8 mm	± 2 mm
15 mm	10 mm	± 2 mm
20 mm	10-12 mm	± 2 mm
25 mm	15 mm	± 3 mm

## PROCESSING TEMPERATURE

Between +5°C and +40°C.

## PREPARATION

All surfaces should be dry, clean and free from dust or grease. When necessary, degrease with MEK, alcohol or ethanol. If necessary, use a primer. It is recommended that adhesion tests be carried out to determine the suitability of the product for its application.

## PRIMERS

		Colour	Curing time
Porous substrates	<b>DL 783</b>	Transparent	± 60 min.
Non porous substrates	<b>Detaprimer 435.1</b>	Transparant	± 30 min.

## TOOLING

When needed with **DL100** or tools.

## CLEANING

### Before vulcanisation:

- a) tools : with white spirit or solvent
- b) surfaces : with **Parasilico Cleaner**

### After vulcanisation:

Remove as much as possible mechanically; the remainders of the silicone with **Silicone Remover**.

## REPAIRING

With the same product.

## COLOURS

black, transparent. Other colours are available on request (75 cartridges or multiple).

## LIMITATIONS

Do not use in closed rooms. Do not expose to thermal, mechanical or chemical influences before complete vulcanization. Good ventilation is important during application and vulcanisation of the product.

- on natural stone, we recommend **PARASILICO NS**.
- on mirrors we recommend **MIROSEAL**.
- on polyacrylate, polycarbonate, plastics and alkaline surfaces, we recommend the use of a primer.
- structural glazing : see technical service department.
- Cannot be painted : see **PARASILICO VP**
- It should not be used in contact with metals like lead, copper due to corrosion
- for sanitary applications : **PARASILICO SANITAIR-N**.
- Apply Parasilico Aquarium only on aquariums built according to DIN 32622, max. dimensions 200X60X60cm. Respect the correct glass thickness.

## SHELF LIFE

Min. 12 months if kept in the original packing and stored in cool and dry conditions between +5°C and +25°C.

## PACKING

25 cartridges of 310 ml/box . 48 boxes/pallet  
25 sausages of 400 ml/box - 48 boxes/pallet  
20 sausages of 600 ml/box - 45 boxes/pallet

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2/2

## METHOD OF USE

With a gun (manual or pneumatic). The shape of the joint is important. Avoid thin layers. It is necessary to have a thickness of min. 1 mm.

## SAFETY

The application should take place in well-ventilated rooms, so that cross linker vapours can escape. During vulcanization, a total of 4% acetic acid is released. These crosslinker vapors may not be inhaled during long periods of time or in high concentrations. Avoid prolonged contact with skin. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Avoid contact with food as long as the sealant is uncured. Consult our safety data sheet.

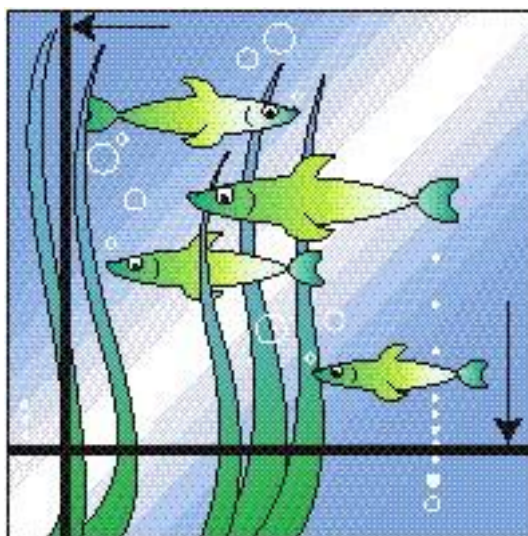
## TECHNICAL CHARACTERISTICS

### Unvulcanised rubber

Type of sealant	Polysiloxanes
Vulcanising system	Vulcanising through moisture in the air
Skin forming time (23°C en 50% R.H.)	13 min.
Vulcanisation rate (23°C en 50% R.H.)	1-2 mm/24 hrs
Density (ISO 1183)	1,03 g/ml

### Vulcanised rubber

Shore A hardness (ISO 868)	20
Elastic recovery (ISO 7389)	> 90 %
Deformation capability	25 %
Modulus at 100% elongation (ISO 8340)	0,45 N/mm <sup>2</sup>
% elongation at break (ISO 8339)	190 %
Temperature resistance	-50°C - + 150°C



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The data on this sheet have been drafted according to the last state of the laboratory data. Technical characteristics can be changed or adapted. We are not responsible in case of incompleteness. Before usage, one needs to ensure that the product is suitable for its application. Therefore, tests are necessary. Our general conditions apply.